

SOUND ATTENUATING/ABSORBING LAMINATES AND METHODS OF MAKING SAME

ABSTRACT OF THE DISCLOSURE

Sound attenuating laminates for use within vehicles are provided that include a substrate and polyurethane attached to selected portions of the substrate. The polyurethane is non-porous and serves as a barrier to attenuate sound passing through the substrate. Additional non-porous polyurethane may be added to one or more selected portions of the polyurethane layer to enhance sound attenuation characteristics in the one or more selected portions. Sound attenuating laminates for use within vehicles are provided that include a substrate and breathable polyurethane attached to selected portions of the substrate. The polyurethane serves as an absorber of sound (e.g., sound generated within a vehicle compartment). Additional breathable polyurethane may be added to one or more selected portions of the polyurethane layer to enhance sound absorption characteristics in the one or more selected portions. Porous, breathable carpet assemblies for use in vehicles, are provided and include a substrate and a porous carpet layer with breathable, porous polyurethane sandwiched therebetween. Breathable polyurethane may be applied onto the substrate second surface in one or more areas to enhance sound absorption characteristics of the carpet assembly.